

# Vane and Screw Compressor Oil (VC)



## Product Description

Podlee vane and screw compressor oil is a high-performance lubricant specifically formulated for rotary screw air compressors. It ensures efficient operation, minimizes wear, and extends equipment life by providing superior thermal stability, oxidation resistance, and anti-foam properties under continuous high-temperature and high-pressure conditions.

## Application

Rotary compressor oil is used in a wide range of rotary compressors, including rotary vane compressor and rotary screw compressors.

VC range oils are categorized into VC1 and VC2 series based on air compressor load conditions:

VC1 Series: Designed for light-to-medium duty or intermittent operation.

VC2 Series: Optimized for medium-to-heavy duty, continuous operation, or high-temperature environments.

## Advantages

Superior lubricity and anti-rust/corrosion protection

Excellent thermal-oxidative stability

Effective demulsibility

High flash point and low volatility

## Typical Characteristics

Item	Test Data						Standard
	VC1			VC2			
Viscosity (mm <sup>2</sup> /s@104 °F /40 °C)	32	46	68	100	32	46	ASTM D445
Viscosity Index	98	101	106	100	100	100	ASTM D2270
Flash Point - Open Cup Method, ( °F/°C)	374/190	401/205	424/218	435/224	428/220	437/225	ASTM D92
Pour Point ( °F/°C)	15.8/-9	15.8/-9	15.8/-9	15.8/-9	10.4/-12	10.4/-12	ASTM D97
Water (%)	None	None	None	None	None	None	ASTM D95
Rust Preventing Characteristics (A)	Pass	Pass	Pass	Pass	Pass	Pass	ASTM D665
Water separability (40-37-3ml), min	10	12	12	15	6	6	ASTM D1401

## Package

18 L/Barrel

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No

responsibility is taken by either PodLee International Limited or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.